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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/091,797	03/06/2002	Barry Fruchtman	IBM 0116	8935

7590
BRIAN C. KUNZLER
8 EAST BROADWAY
SUITE 600
SALT LAKE CITY, UT 84111
02/26/2007

EXAMINER

TODD, GREGORY G

ART UNIT	PAPER NUMBER
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2157

MAIL DATE	DELIVERY MODE
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02/26/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary	Application No.	Applicant(s)	
	10/091,797	FRUCHTMAN ET AL.	
	Examiner	Art Unit	
	Gregory G. Todd	2157	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Gregory G. Todd. (3)_____
- (2) Scott Thorpe. (4)_____

Date of Interview: 22 February 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☐ No.
If Yes, brief description: Interview agenda.

Claim(s) discussed: 1.

Identification of prior art discussed: Dunham.


Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Examiner thanks Applicant for clarification and discussion of invention. Discussed differences of proposed amendments in relation to Dunham. Discussed proposed status being more closely tied with the blocking access step. Further discussed detail of multi-session restoration and Examiner suggested clarification in the claims that multiple clients are involved with the multi-session restoration.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.



Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Telephone Interview Agenda

Application 10/091,797
Scott Thorpe
Kunzler & McKenzie
(801) 847-1557

Differences between the present invention and the cited prior art

Dunham (6,714,952) teaches backing up a data file along with two or more associated metafiles. The metafiles describe the data files for a file system. Thus a data file is described and referenced using a plurality of file systems (NFS, Unix). A catalog contains a description of the files and metadata for the files. Dunham, col. 5, line 63 – col. 6, line 11. Dunham also teaches restoring the data file along with the metafiles.

The present invention teaches a plurality of clients that restore data to a client from a SAN. The restoration process is distributed among the clients, with a master restore table coordinating the restore. The master restore table lists data portions and a restoration status. Clients access the table using a token and restore data portions. If a data portion is already restored, a client is blocked from restoring the portion again.

Applicants propose amending the independent claims to include the limitation that the master restore table includes a status of whether an associated storage media for a data portion has been processed.

Proposed amendments

1. (Proposed amendment) A method of restoring data in a computer network system wherein a plurality of client systems have access to a storage pool coupled to an associated storage area network (SAN) comprising the steps of:
requesting a restore wherein each of said plurality of client systems may participate in said restore; and
coordinating restoration of data stored in said storage pool over a plurality of sessions using a storage management server that constructs a master restore table comprising a plurality of data portions to be restored, ~~and~~ an associated location of said plurality of data portions in said storage pool, and a status of whether an associated

storage media for a data portion has been processed, wherein said master restore table is identified by an associated token and a client system participating in a restore gains access to said master restore table by use of said token, tracks said plurality of data portions of said data as restored by said plurality of client systems, and blocks access by said client systems to each of said plurality of data portions that have been restored by one of said plurality of client systems to avoid duplicative restoration efforts.

21. (New) The method of claim 1, wherein the master restore table is partitioned into a plurality of sub-tables based on the locations of data portions.

23. (New) The method of claim 1, wherein the associated token comprises a sequence of bits that uniquely identifies the master restore table for a particular restore effort.